

## What is claimed is:

1. A process for reducing the odor emission of aqueous protective-colloid-stabilized vinylaromatic-1,3-  
5 diene copolymer dispersions and of redispersion powders obtainable therefrom by drying, by emulsion polymerization of a mixture comprising at least one vinylaromatic and at least one 1,3-diene in the presence of one or more protective colloids and, if desired, drying the resultant  
10 polymer dispersion, which comprises, toward the end of the polymerization, when the total free monomer content of the aqueous polymer dispersion is from 0 to 20% by weight, adding from 0.01 to 15.0% by weight of one or more monomers selected from the class consisting of branched or  
15 unbranched alkyl esters, having from 1 to 8 carbon atoms in the alkyl radical, of monounsaturated mono- or dicarboxylic acids, where the data in % by weight are in each case based on the polymer content of the dispersion.
2. The process as claimed in claim 1, wherein one or  
20 more alkyl esters of acrylic acid, methacrylic acid, fumaric acid, maleic acid or itaconic acid are added.
3. The process as claimed in claim 1, wherein one or more esters selected from the class consisting of methyl methacrylate, methyl acrylate, n-butyl methacrylate, n-  
25 butyl acrylate, ethyl methacrylate, ethyl acrylate, 2-ethylhexyl methacrylate, 2-ethylhexyl acrylate, diisopropyl fumarate and diethyl fumarate are added.
4. The process as claimed in any of claims 1 to 3, wherein from 20 to 80% by weight of styrene and from 20 to  
30 80% by weight of 1,3-butadiene are copolymerized, if desired in the presence of other monomers.
5. An aqueous, protective-colloid-stabilized vinylaromatic-1,3-diene copolymer dispersion with reduced odor emission obtainable by one of the processes claimed  
35 in any of claims 1 to 4.
6. A redispersion powder based on protective-colloid-

7. The use of the products of the processes as claimed in any of claims 1 to 4 as a formulation constituent in combination with inorganic, hydraulically setting binders in construction adhesives, renders, troweling compositions, floor-filling compositions, jointing mortar, plaster or paints.

9. The use of the products of the processes as claimed in any of claims 1 to 4 as adhesives.

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